

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

02/02/2012

Daniel Harren
Assistant District Attorney, Middlesex County

Dear ADA Harren,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan, and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
[REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry

University of Massachusetts, Boston, Ma, Bachelor of Science

Major: Biochemistry

Minor: Economics

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Writing of the Standard Operating Procedures (SOPs) and Protocols.

*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.

*Maintenance and repairs of analytical instruments.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health.

*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.

*Method Development for creating new techniques for the QC Dept. and FDA.

*Writing, revising and reviewing the Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice – Forensics Professionals

Introduction to Forensic Drug Chemistry

Chemical Spot Test and Mechanism for Illicit Drugs

Forensic Mass Spectrometry

Forensic Science 101: An Introduction

Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony

Evidence Analysis

Ethics in Forensic Science

Transition to Leadership

Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.

Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.

Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.

High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.

Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectrum One.

Ultraviolet-Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.

Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00


2:00 – 4:00

Amherst Hours

9:00 – 12:00

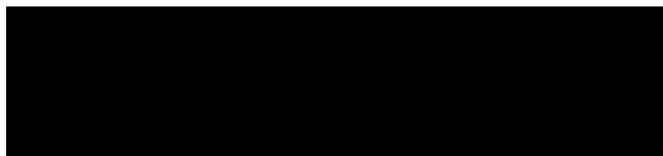
1:00 – 3:00

DRUG RECEIPT

City or Department: Arlington Police Reference No. 

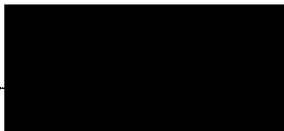
Name and Rank of Submitting Officer: Insp Mike Sheehan

Defendant(s) Name (last, first, initial):



To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

plastic baggie w/ brownish powder	511g	

Received by:  Date: 4-29-09

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608


Boston Hours
8:00 – 11:00
2:00 – 4:00

Amherst Hours
9:00 – 12:00
1:00 – 3:00

DRUG RECEIPT

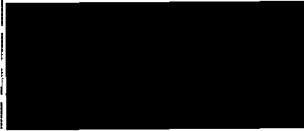
City or Department: Arlington Police Reference No. 

Name and Rank of Submitting Officer: Insp Mike Sheehan

Defendant(s) Name (last, first, initials):


To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

Baggie w/ white powder	5.5g	

Received by:  Date: 4-29-09

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

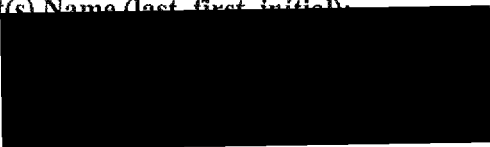
9:00 – 12:00

1:00 – 3:00

DRUG RECEIPT


City or Department: Arlington Police Reference No.: 

Name and Rank of Submitting Officer: Insp Mike Sheehan

Defendant(s) Name (last, first, initial):


To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

baggie w/ Brownish Powder	3.7g	

Received by:  Date: 4-29-09

No. [REDACTED]
City: Arlington Police Dept.
Officer: Inspector MIKE SHEEHAN
Def: [REDACTED]

Date Analyzed:

12-29-09

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 04/29/2009

No. Analyzed:

Gross Wt.: 5.10

Net Weight: 0.29

Tests: 6 ASD
• 2 DJR

Prelim: Heroin

Findings: Heroin

No. [REDACTED]
City: Arlington Police Dept.
Officer: Inspector MIKE SHEEHAN
Def: [REDACTED]

Date Analyzed:

12-29-09

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 04/29/2009

No. Analyzed:

Gross Wt.: 5.50

Net Weight: 1.81

Tests: 6 ASD
• 2 DJR

Prelim: cocaine

Findings: Cocaine

No. [REDACTED]
City: Arlington Police Dept.

Date Analyzed: 12-29-09

Officer: [REDACTED]
Def: U/C BUY

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 04/29/2009

No. Analyzed:

Gross Wt.: 3.70

Net Weight: 0.12

Tests: 4 ASD

• 25JR

Prelim: ~~Heroin~~ ASD
Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Bellingham ANALYST ADD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

Beige powdered substance
in 1 ps

Gross Wt (): 1.5579

Gross Wt ():

Pkg. Wt:

Net Wt: 0.2927

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 12-24-09

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR DSR

DATE 12-29-09

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Arlington ANALYST ADD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

white powdered + chunky
substance in pb

Gross Wt (): 1.8232

Gross Wt ():

Pkg. Wt:

Net Wt: 1.8117

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (+)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-24-09

GC/MS CONFIRMATORY TEST

RESULTS cocaine

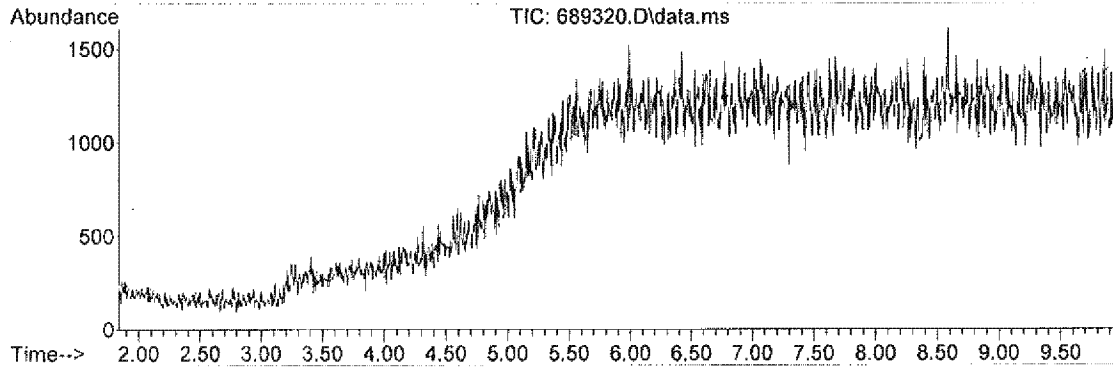
MS
OPERATOR DSE

DATE 12-29-09

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689320.D
Operator : DJR
Date Acquired : 28 Dec 2009 17:34
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

✓ DJR
1-31-12

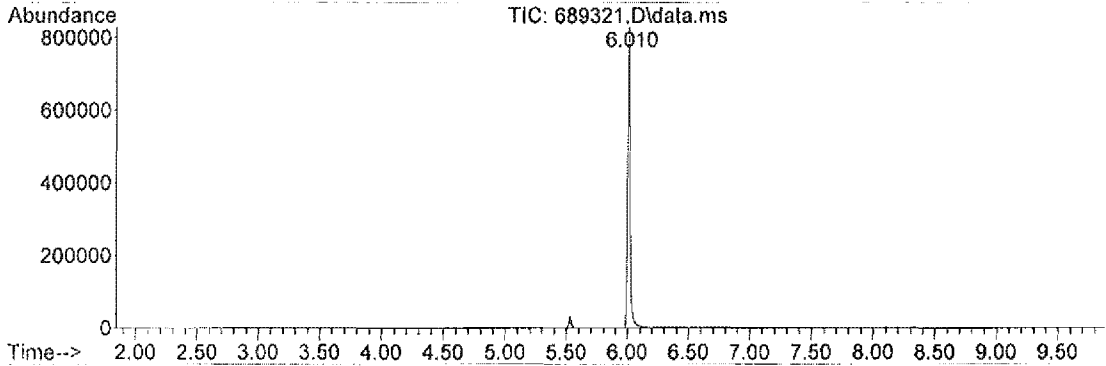


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689321.D
 Operator : DJR
 Date Acquired : 28 Dec 2009 17:47
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 21
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



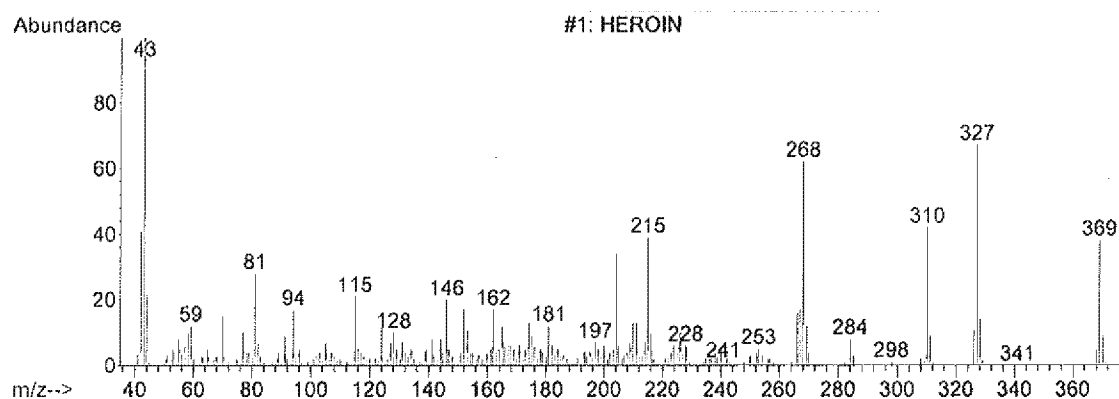
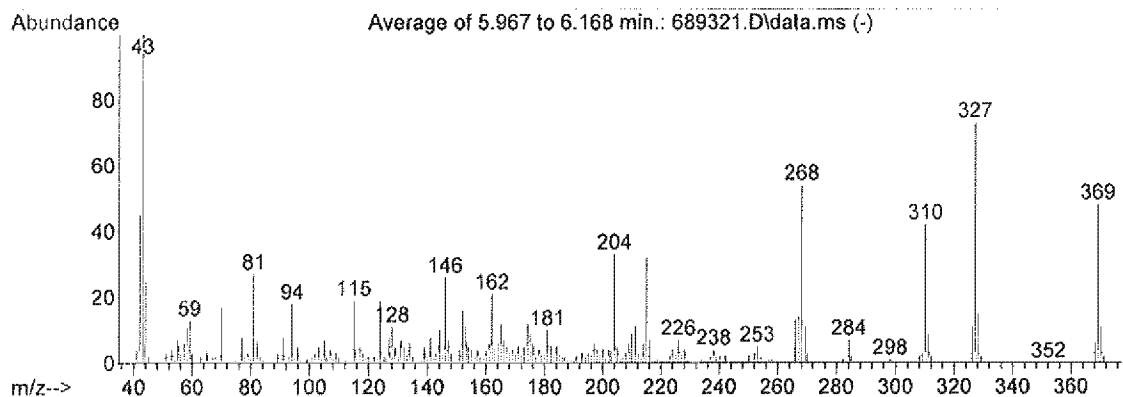
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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689321.D
Operator : DJR
Date Acquired : 28 Dec 2009 17:47
Sample Name : HEROIN STD
Submitted by :
Vial Number : 21
AcquisitionMeth: DRUGS.M
Integrator : RTE

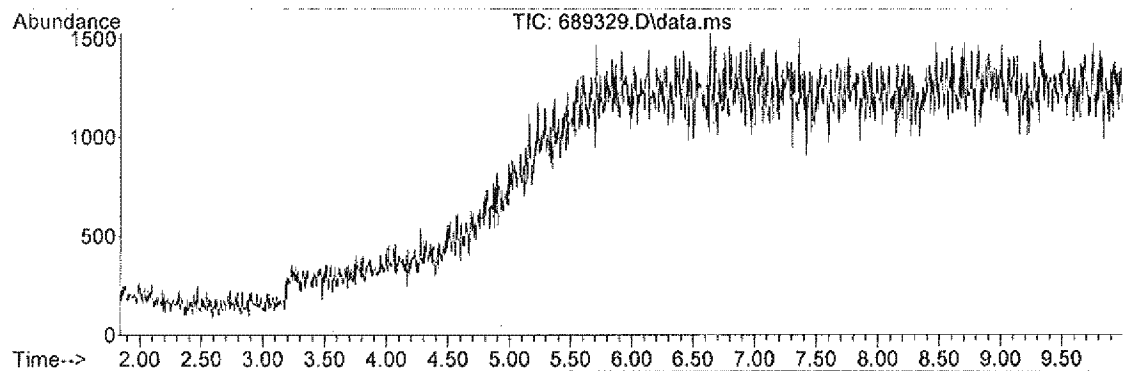
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C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.01	C:\Database\SLI.L HEROIN	000561-27-3	99



Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689329.D
Operator : DJR
Date Acquired : 28 Dec 2009 19:28
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

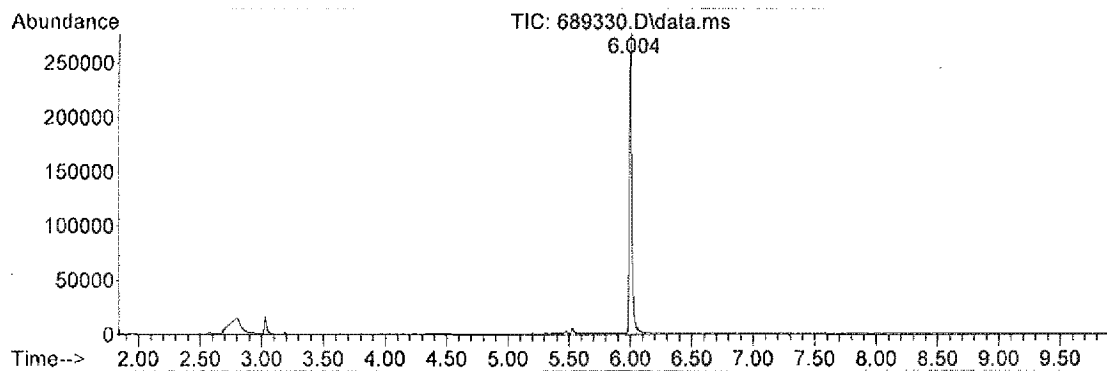


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689330.D
Operator : DJR
Date Acquired : 28 Dec 2009 19:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 30
AcquisitionMeth: DRUGS.M
Integrator : RTE



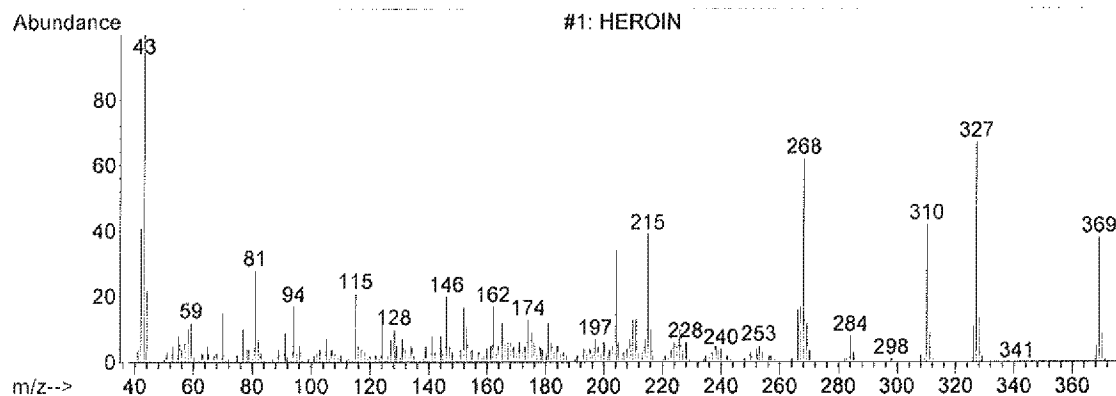
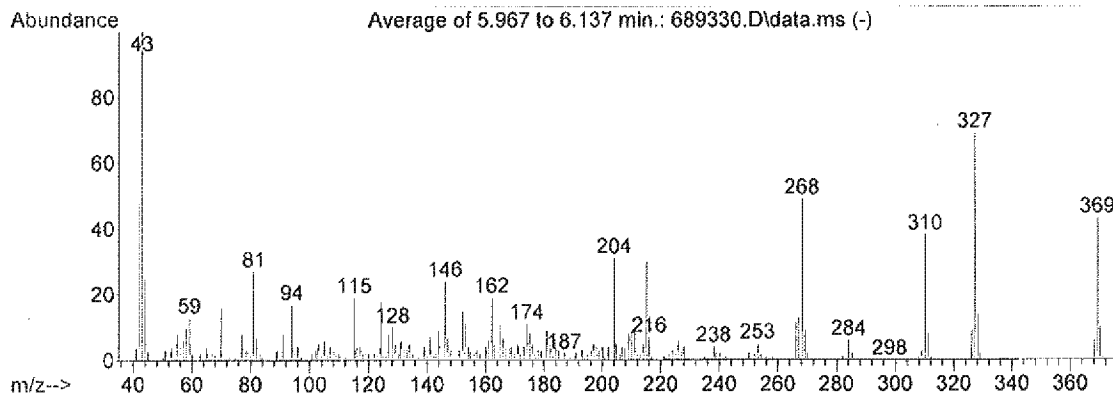
Ret. Time	Area	Area %	Ratio %
6.004	394352	100.00	100.00

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689330.D
Operator : DJR
Date Acquired : 28 Dec 2009 19:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 30
AcquisitionMeth: DRUGS.M
Integrator : RTE

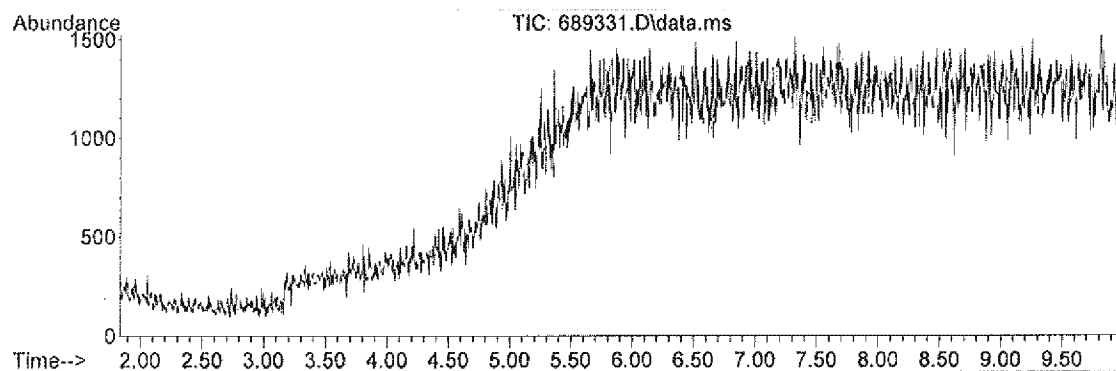
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C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.00	C:\Database\SLI.L HEROIN	000561-27-3	99



Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689331.D
Operator : DJR
Date Acquired : 28 Dec 2009 19:54
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

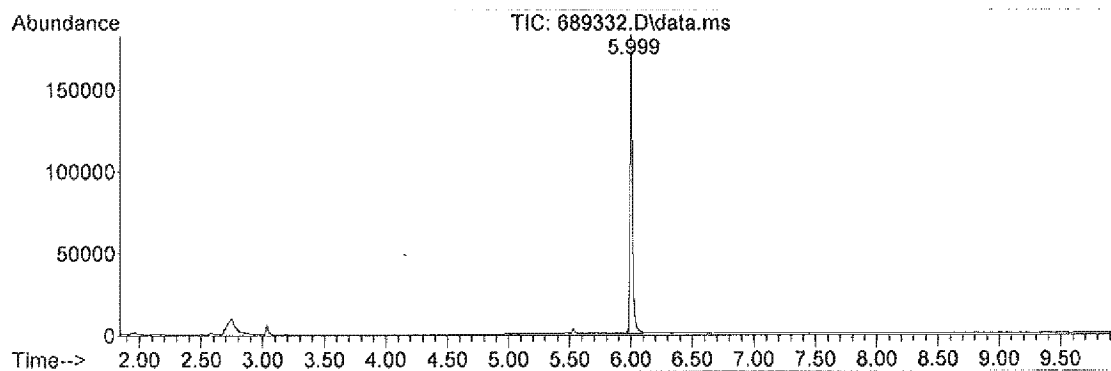


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689332.D
Operator : DJR
Date Acquired : 28 Dec 2009 20:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 32
AcquisitionMeth: DRUGS.M
Integrator : RTE



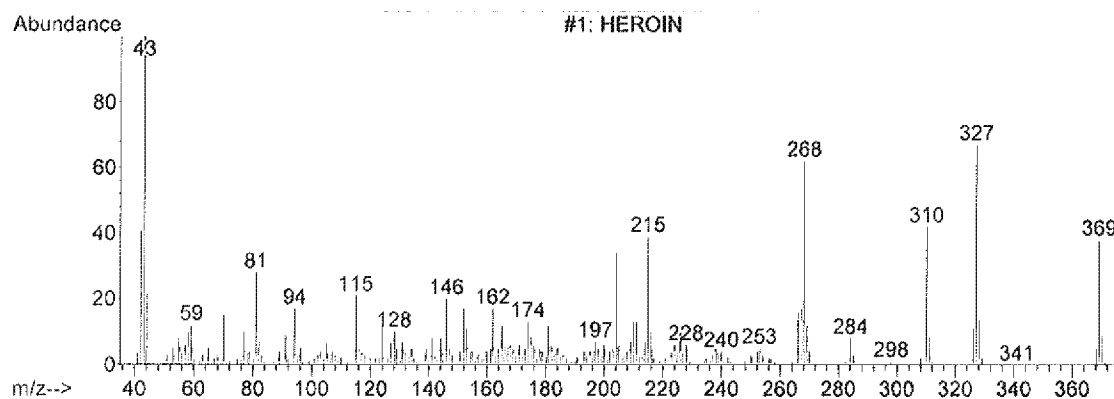
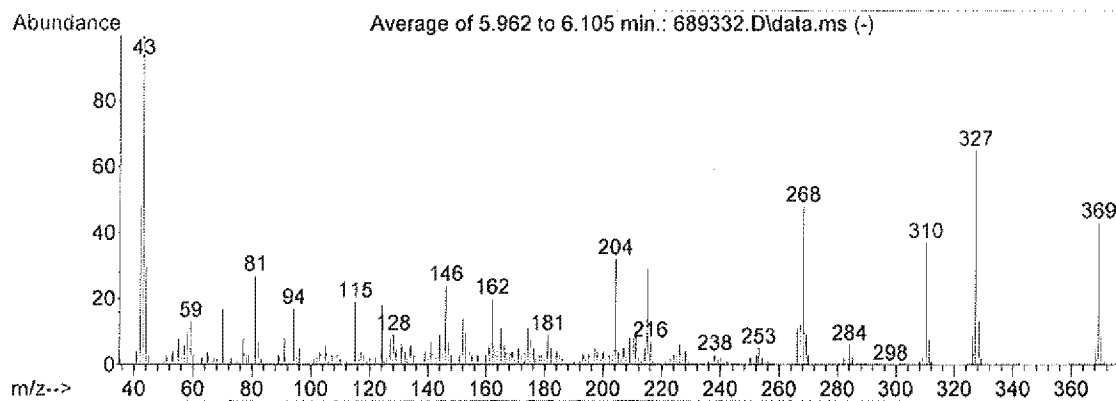
Ret. Time	Area	Area %	Ratio %
5.999	250019	100.00	100.00

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689332.D
Operator : DJR
Date Acquired : 28 Dec 2009 20:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 32
AcquisitionMeth: DRUGS.M
Integrator : RTE

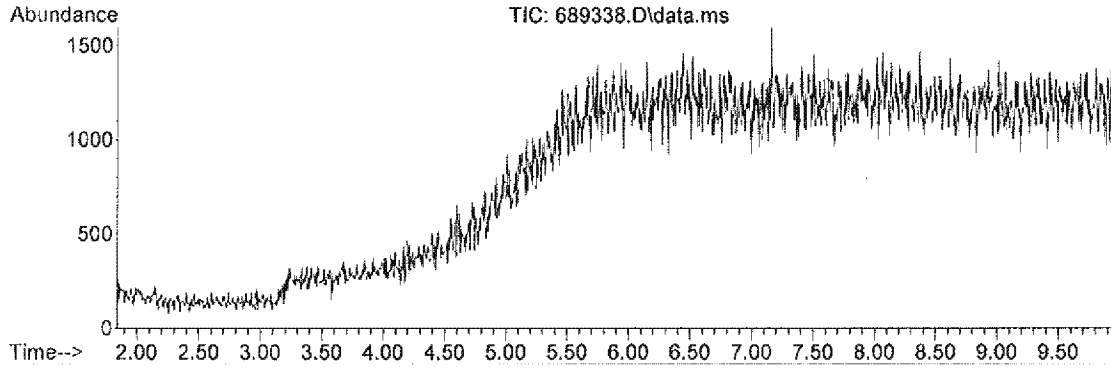
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C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.00	C:\Database\SLI.L HEROIN	000561-27-3	87



Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689338.D
Operator : DJR
Date Acquired : 28 Dec 2009 21:22
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

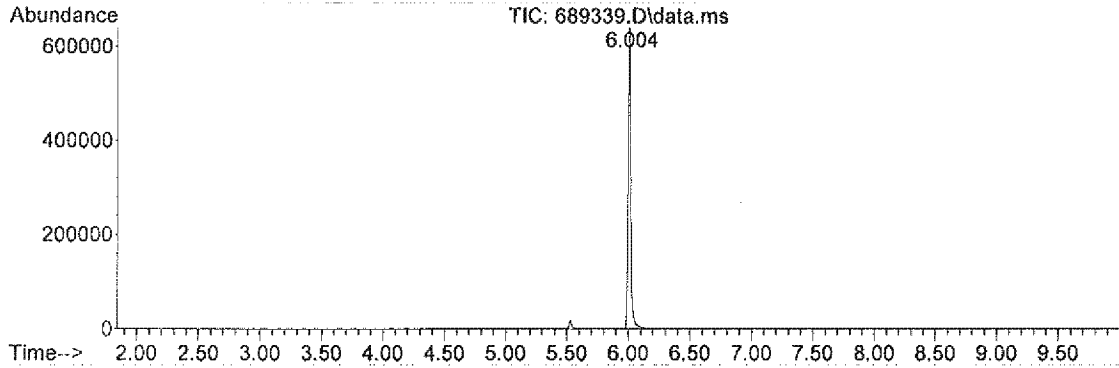


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689339.D
Operator : DJR
Date Acquired : 28 Dec 2009 21:35
Sample Name : HEROIN STD
Submitted by :
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : RTE



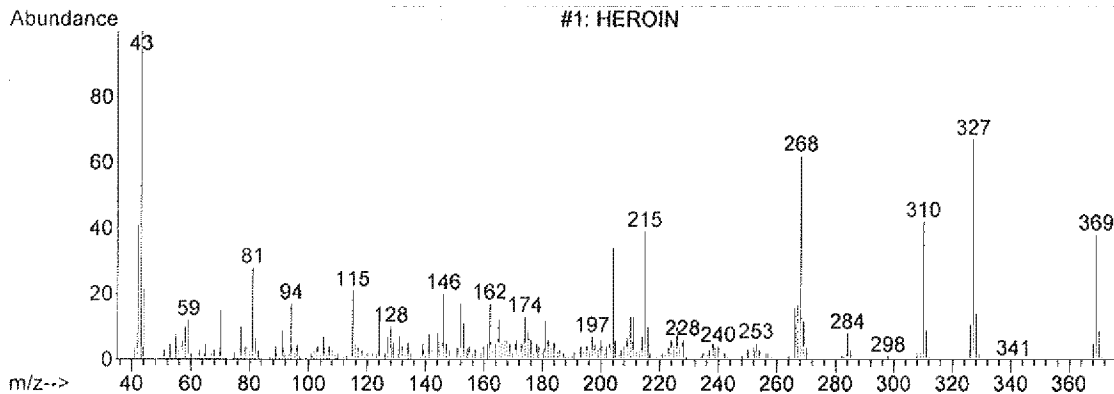
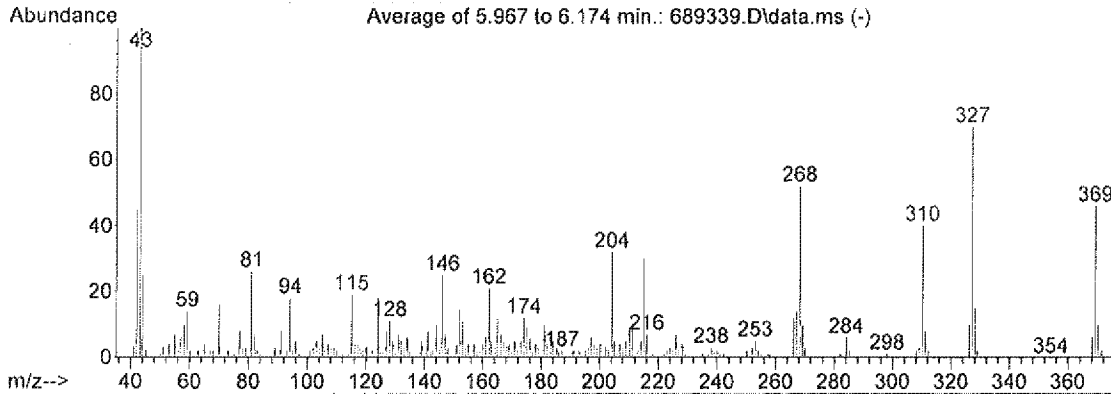
Ret. Time	Area	Area %	Ratio %
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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689339.D
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Sample Name : HEROIN STD
Submitted by :
Vial Number : 39
AcquisitionMeth: DRUGS.M
Integrator : RTE

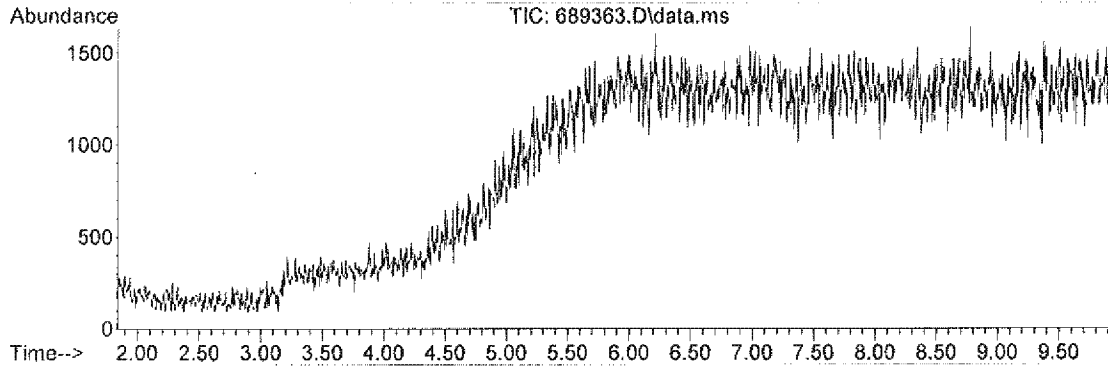
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C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689363.D
Operator : DJR
Date Acquired : 29 Dec 2009 2:40
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

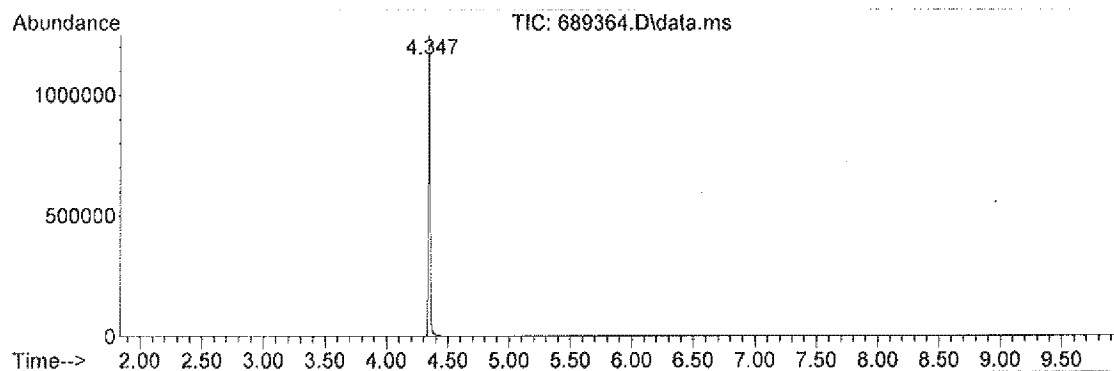


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689364.D
Operator : DJR
Date Acquired : 29 Dec 2009 2:53
Sample Name : COCAINE STD
Submitted by :
Vial Number : 64
AcquisitionMeth: DRUGS.M
Integrator : RTE



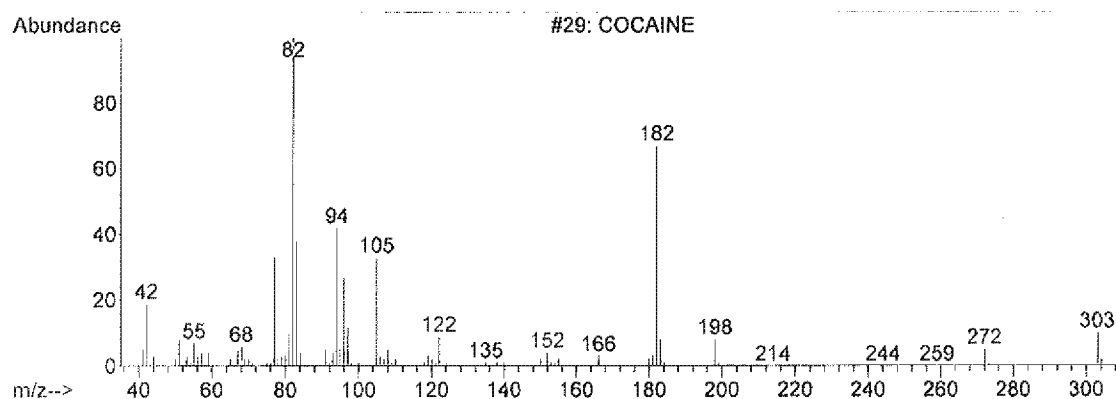
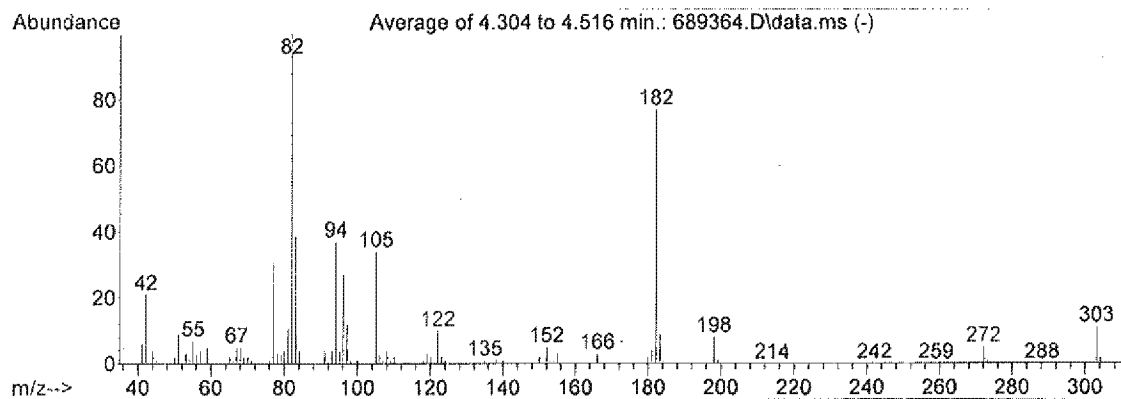
Ret. Time	Area	Area %	Ratio %
4.347	1165249	100.00	100.00

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689364.D
Operator : DJR
Date Acquired : 29 Dec 2009 2:53
Sample Name : COCAINE STD
Submitted by :
Vial Number : 64
AcquisitionMeth: DRUGS.M
Integrator : RTE

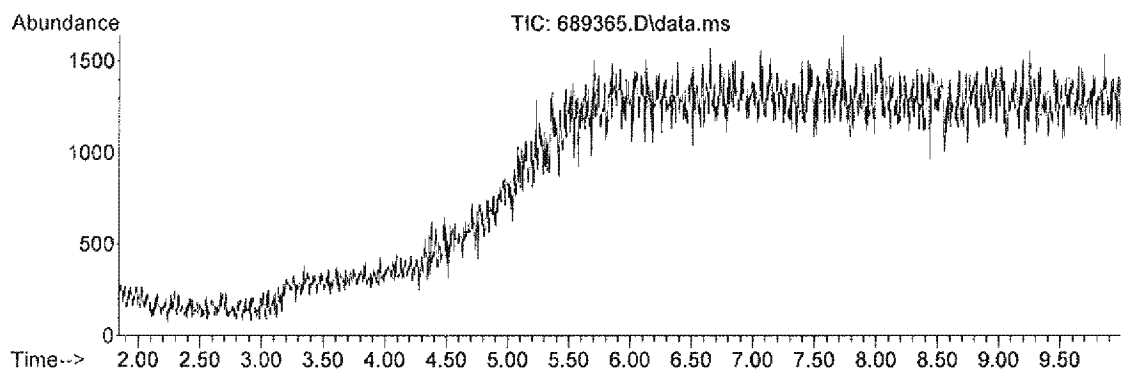
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.35	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689365.D
Operator : DJR
Date Acquired : 29 Dec 2009 3:05
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

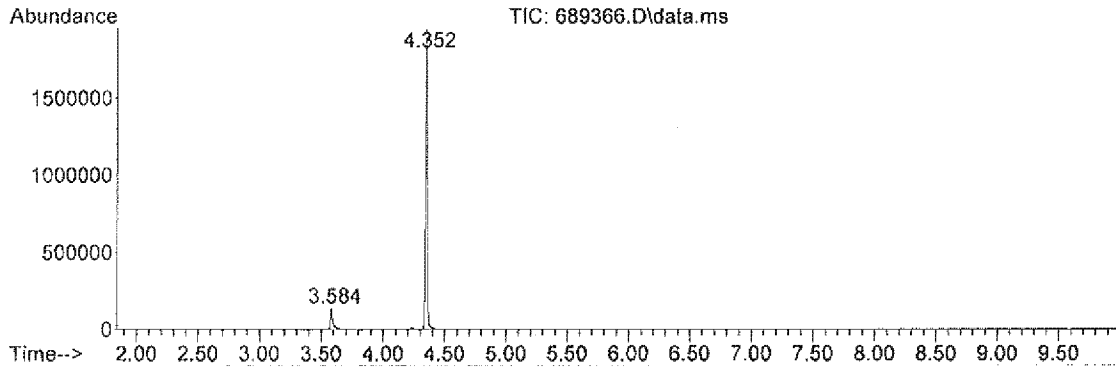


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689366.D
 Operator : DJR
 Date Acquired : 29 Dec 2009 3:18
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 66
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



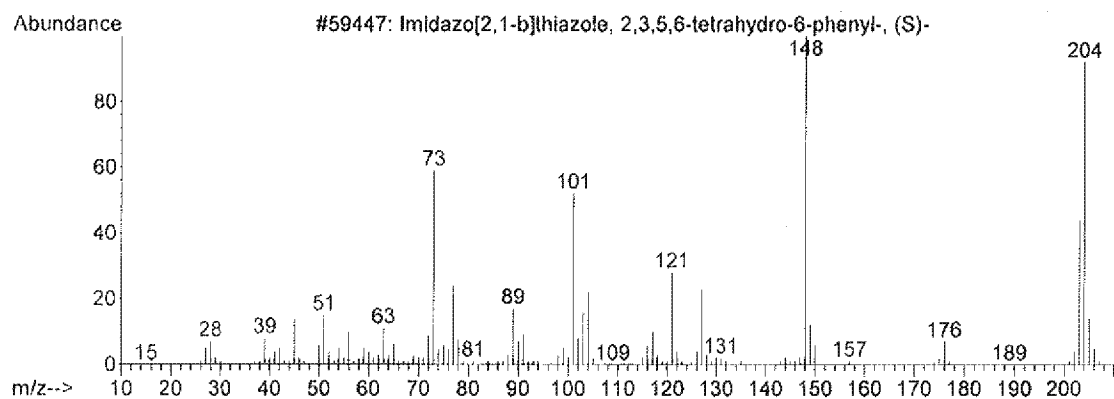
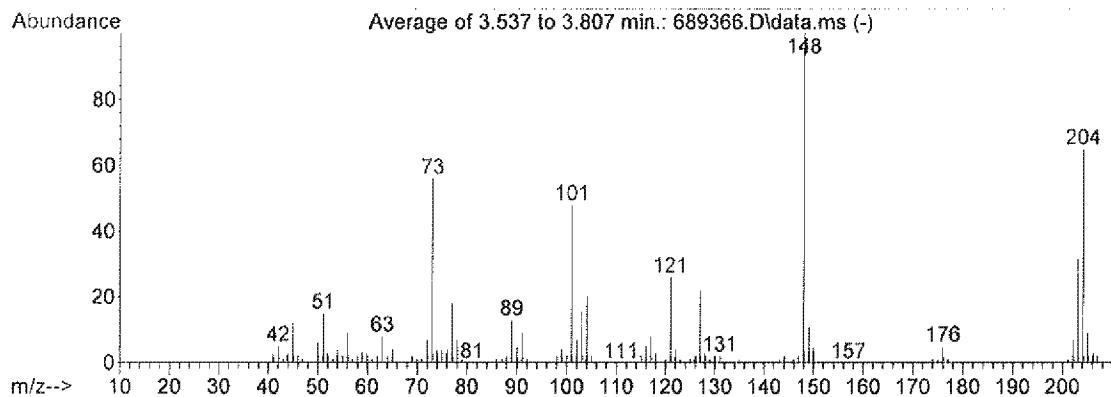
Ret. Time	Area	Area %	Ratio %
3.584	207864	9.56	10.57
4.352	1966314	90.44	100.00

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689366.D
Operator : DJR
Date Acquired : 29 Dec 2009 3:18
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 66
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.58	C:\Database\NIST05a.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98

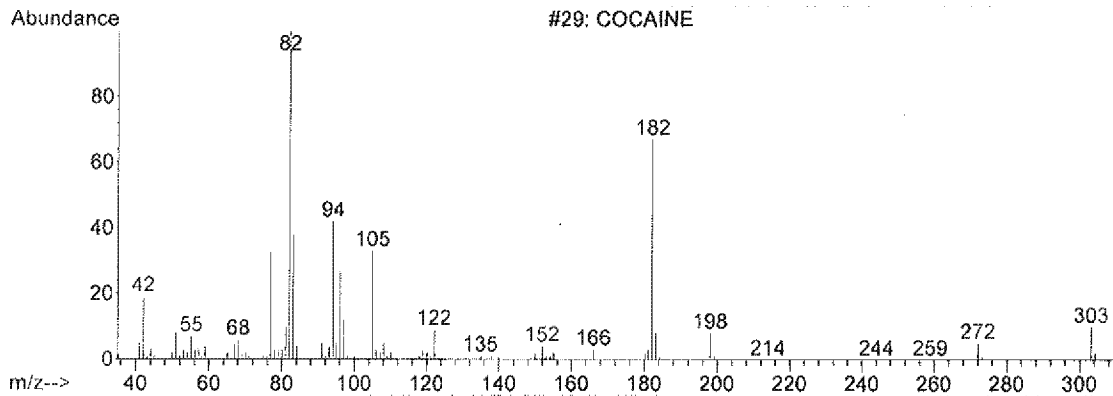
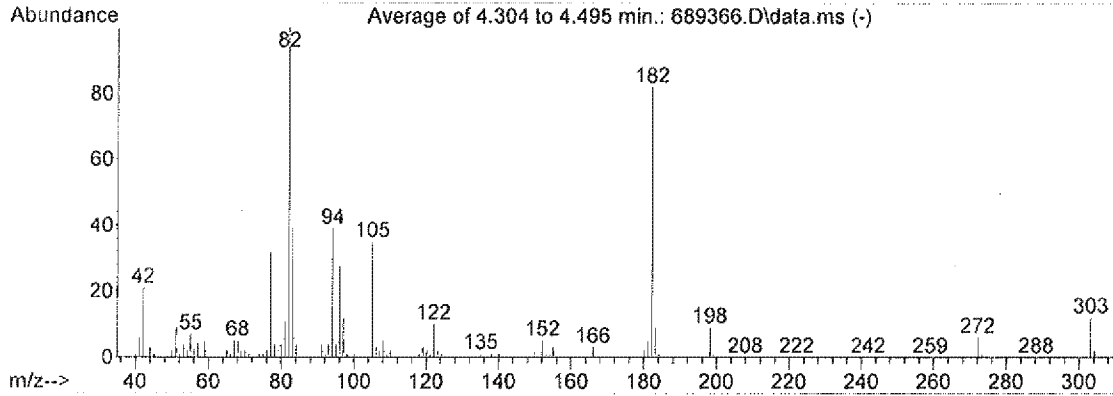


Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689366.D
Operator : DJR
Date Acquired : 29 Dec 2009 3:18
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 66
AcquisitionMeth: DRUGS.M
Integrator : RTE

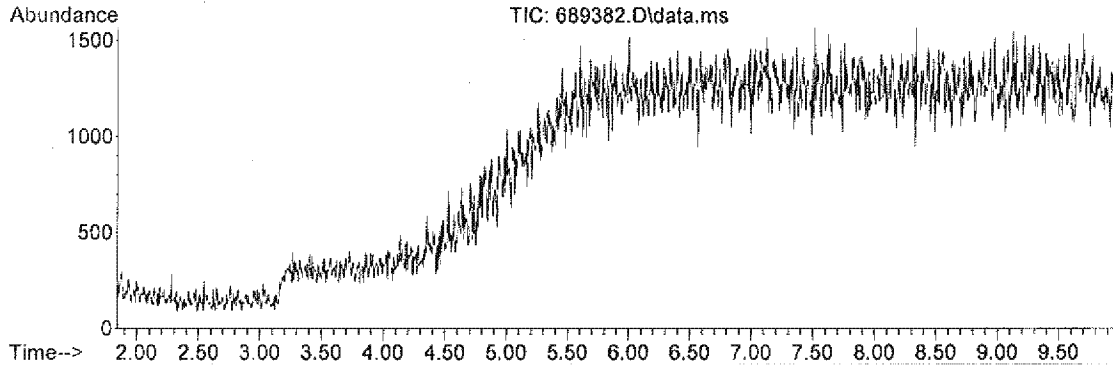
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.35	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689382.D
Operator : DJR
Date Acquired : 29 Dec 2009 6:41
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

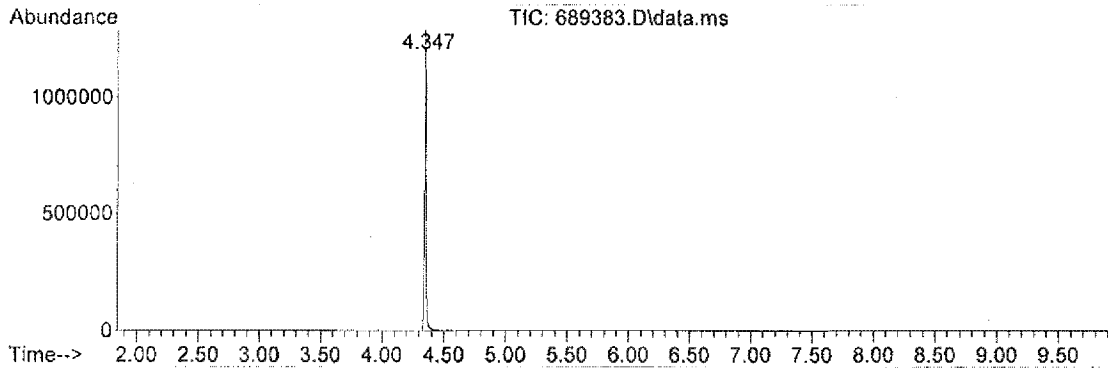


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689383.D
Operator : DJR
Date Acquired : 29 Dec 2009 6:54
Sample Name : COCAINE STD
Submitted by :
Vial Number : 83
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.347	1201529	100.00	100.00

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_28_09\689383.D
Operator : DJR
Date Acquired : 29 Dec 2009 6:54
Sample Name : COCAINE STD
Submitted by :
Vial Number : 83
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.35	C:\Database\SLI.L COCAINE	000050-36-2	99

